

# PHENIX WEEKLY PLANNING

11/1/2007

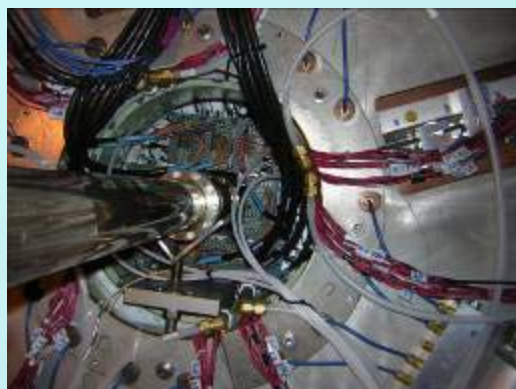
Don Lynch



*Daylight Savings Time ends  
Sunday Nov. 4 at 2:00 AM*

# Run 8 Prep Schedule

Item	Start	Finish
Elec. Cooling Water upgrade (CA)	Done	Done
(under EC)	Done	Done
(elsewhere in IR)	Done	Done
CM Move to Run position	Done	Done
More decapacitor removals	Done	Done
Close out all shutdown '07 open work permits	10/18	11/2
RPC Tent preparation (see slides)	On Going	11/30



# Run 8 Prep Schedule (cont'd)

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Item	Start	Finish
EC Roll In	Done	Done
Blue Sheet/Pink sheets	Pink Done	Blue in progress
DC East & West repairs (permits done)	in progress	11/2
Pre-run Commissioning	in progress	11/2
Assemble shield wall	in progress	11/2
Move MMS to run position	Done	Done
Install MuID collars	Done	Done
Shield wall roll in	Base aligned	11/5
Start of Run 8 (Cooldown)	11/1	11/1
Start 2 person watch shifts	11/6	11/6
Install FPGA box (mech. Same as 2006)	?	?
Blue ring cold, start d- beam (Access during day, beam at night)	11/7	11/7
Yellow ring cold, start Au beam (beam all day, little or no IR access)	11/12	11/12
Start of Physics	12/1	12/1

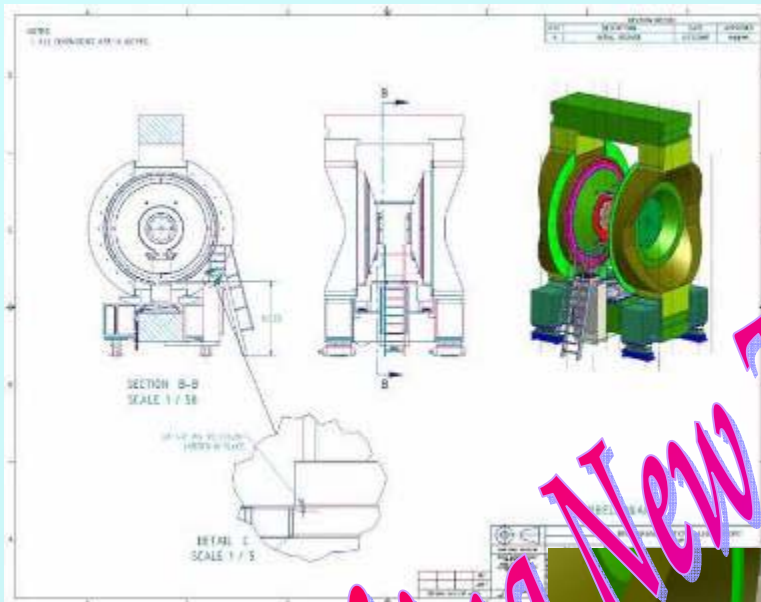


# Safety Systems/ UPS

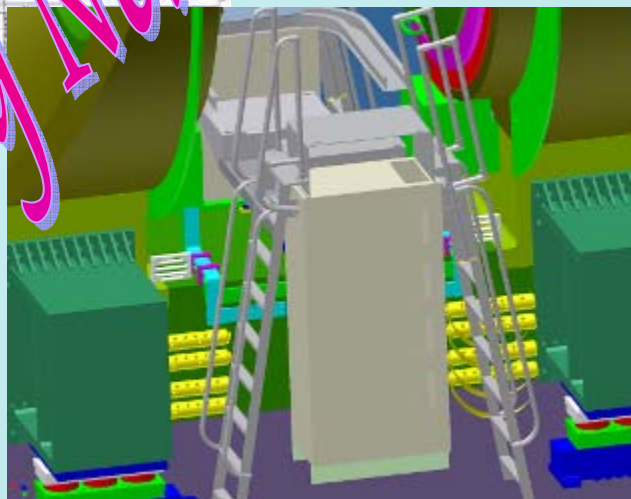
- Pink sheeting - completed
- Blue sheeting in progress
- Temporary UPS installed last Friday
- New UPS due date ???
- HSSD system status
- Other Issues



# CM Ladder/Stair Shutdown Access



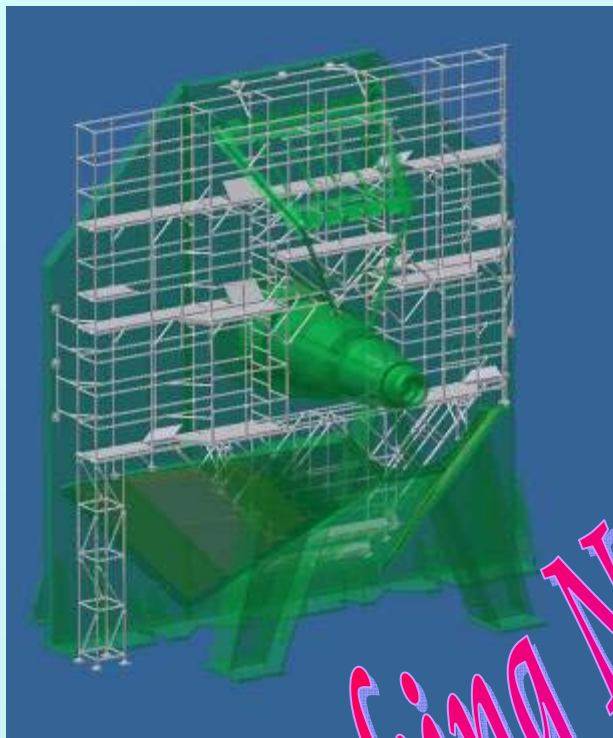
*Nothing New This Week*



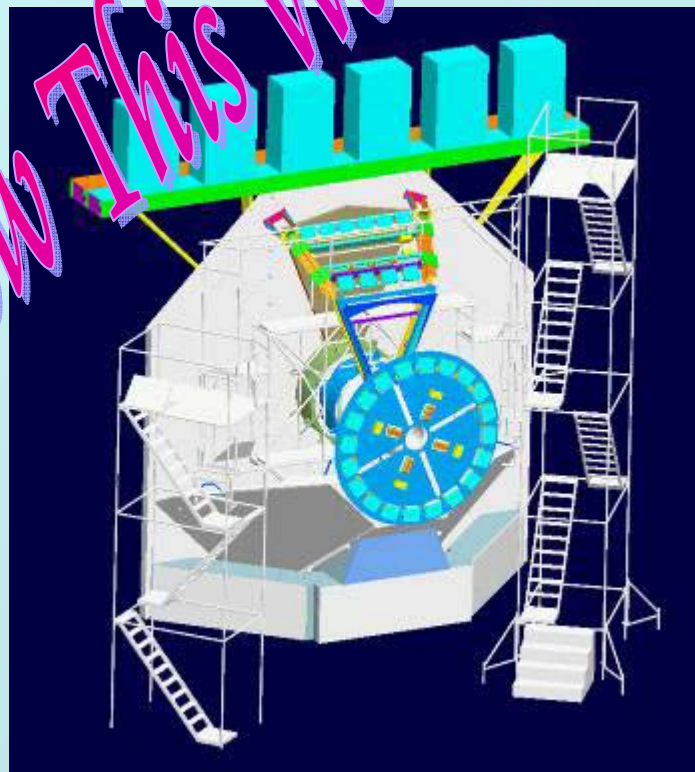
- PO pinned  
Waiting for  
delivery
- Purchasing  
SNAFU causes  
delay
- Delivery ~10/15



# Station 1 , 2, 3 access plan



Work to begin on these items after prep for run 8 is finished



*Nothing New This Week*

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# RPC Factory Issues

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Electrical -Walkthru? Still to be done: heaters, safety system rack including UPS, UPS (from PHOBOS) for tent computers.

Need to move phone/internet jack on outside of tent in tech area to inside tent for security reasons. Wireless now working in tent.



Gas System: Nearly approved; Formatted and formalized. Finish approval when Rob gets back.



# RPC Factory Issues, cont.

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Equipment - Kenny working on Cosmic ray test stand. John working on piping. Shelving next. Young Jin providing specs and location. RPC group will provide specs for the gap transportation cart (vertical high and low lifting requirements, horizontal/ vertical orientation, table top dimensions, max load capabilities, etc.) PHENIX will design and fabricate. RPC group will provide specifications for gap and module storage racks. PHENIX will design, fabricate and install.

Work plan - existing work plan covers work to be done between now and factory start up (Factory startup is when production testing and assembly of modules and half octants begins) Work allowed now includes set iup of gas system including all components and N2 testing for leaks (use of gases other than N2 requires approved gas operation procedure and full working safety system- see above). Electrical setup testing of prototypes, instrumentation and related equipment in preparation for factory operation may commence as soon as a final walkthru by C-A experimental safety group is completed and any action items generated by walkthru are addressed to the satisfaction of the experimental safety group.





# RPC Factory Issues, cont.

Security - Lock installed on door. All zipper doors are to be closed when not in use and zip tied down from inside. Locking tool and equipment cabinets inside tent. Additional security required when raw materials arrive. RPC group to review C-A policy (3 tier requirement as required by C-A procedure 1.20) RPC group will prepare a one page description of how they intend to comply with this requirement. This will be reviewed by C-A.

# RPC Factory Issues, cont.

## Remaining Action Items from C-A safety review:

- Gas monitoring equipment to be calibrated and tested per BNL requirements  
- Equipment is manufacturer calibrated. Will be tested with mini blue sheets check out.
- Gas schematic/ procedure needed - Done awaiting approval
- Max flow rates incl. chambers in storage for all gases to be forwarded to M. van Essendelft - still needs to be done before factory startup
- Electronics to be approved installation and use (including NTRL equivalence approval) - Done, walkthru needed.
- Any chemicals to be purchased through BNL to assure compliance - Will be complied with
- Adequate ventillation to be designed into tent - Done
- Approved security apparatus to protect against theft - see above



- Clean Out Container: To be done by end of next week
- JTA review and update - in conjunction with performance appraisals
- Procedure review - pick up where we left off

1. **Main Door to Counting House is a safety hazzard  
Needs immediate attention**
1. Lifting equipment needs annual inspection in November
2. Check your PHENIX awareness and Collider accelerator training
3. Work planning revisions minor changes to work planning SBMS:
  - New green sheets ES&H → ESS&H, \* IH reviews required for certain concerns, No OMC block, feedback box required when green sheet used
  - 3 levels of work planning
    - Worker Planned
    - Prescribed
    - Permitted
4. BNL Crackdown on improper use of computers pornography, file sharing, IM, e-bay, excessive time





## C-A Safety Targets

- Increase human performance training
- **Increase senior manager's work observations**
- Participate in code training (e.g., ASME / NEC / OSHA)
- Review all events and occurrences specifically for organizational deficiencies
- **Conduct a field review of posted operator aids**
- **Conduct a review of records, ensure secure and retrievable locations**
- **Train staff in 2008 version of Work Planning Subject Area**
- **Train staff on Environmentally Preferable Purchasing Program**
- Disposition materials and chemicals in accord with UMC plan
- Reduce unnecessary loads to decrease electricity use
- Cap Linac beam stops and investigate need for a cap adjustment at J-10
- Improve materials security program with more cameras and secure locations
- Reduce, where appropriate, lead solder, freon, mercury
- Reduce excess space throughout C-AD complex
- Complete industrial hygiene baseline monitoring (noise, etc.)
- **Complete the arc flash calculation and labeling program**
- Archive data on activated soils
- Complete the removal of PCB capacitors at Linac, B912 and B928
- Investigate costs for PCB removal at TVDG
- Request, as in previous years, BNL repair Building 912 and 930 roofs
- Upgrade B912A emergency generators and remove underground fuel tank
- Begin closing out Fire Hazards Analyses recommendations
- Abate OSHA violations
- Reduce warehouse 'footprint' and help better manage inventory of spares
- **Remove old unsafe power distribution components (cables, Royal boxes, etc.)**
- **Clarify and enforce PPE policies**

- 2007 HBD Repairs, DC (minor) repairs), MPC N&S upgrade, MuTr FEE upgrade prototype, infrastructure upgrades & repairs, misc. subsystem work
- 2008 MuTr FEE upgrades 1 octant 1&2 S, Cu absorber test, start RPC3 S, infrastructure upgrades & repairs, misc. subsystem work
- 2009 Scaffolding in MMS and MMN, MuTr FEE stn. 2 & 3, finish RPC3 S, MuTr N&S stn. 2 & 3 repairs, RPC2 S&I, RPC3 N, Cu absorbers, infrastructure upgrades & repairs, misc. subsystem work
- 2010 Remove HBD & PXNP, remove beampipe, DC West upgrade, VTX barrel, RPC1 N&S, MuTr FEE stn. 1 N&S, MuTr stn. 1 N&S repairs, infrastructure upgrades & repairs, misc. subsystem work
- 2011 NCS, FVTX, infrastructure upgrades & repairs, misc. subsystem work
- 2012 NCS N, upgrades contingency & wishlist, infrastructure upgrades & repairs, misc. subsystem work

*\* Years refer to the shutdown year and follow the run with the similar number (i.e. work in 2007 is to be done in the shutdown that follows run 7, and so on)*

# Where To Find PHENIX Technical Info

November is here:

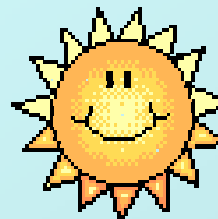
Run 8 starts today

3 Holidays:

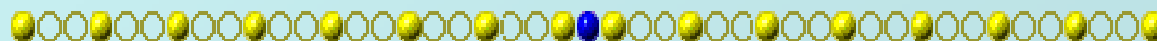
Veterans Day - Nov. 12

Thanksgiving - Nov 22

Black Friday - Nov 23



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



[http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\\_SSint-page.htm](http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm)